

x15815.ST25.txt
SEQUENCE LISTING

<110> Eli Lilly and Company
<120> Novel Proteins and Their Uses
<130> X-15815
<160> 24
<170> PatentIn version 3.2
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<211> 1479
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1479)
<223> LP391

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x15815.ST25.txt

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<210> 2
<211> 486
<212> PRT
<213> Homo sapiens

<220>
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<222> (1)..(486)
<223> LP391

<400> 2

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35 40 45

Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile
50 55 60

Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu
65 70 75 80

Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser
85 90 95

Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr
100 105 110

Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe Pro Val
115 120 125

Glu Leu Asn Thr Val Tyr Phe Ile Gly Ala His Asn Ile Pro Asn Ala
130 135 140

Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr Ser Pro
145 150 155 160

Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu
165 170 175

Thr Val Glu Val Asn Phe Thr Thr Pro Leu Gly Asn Arg Tyr Met
180 185 190

X15815.ST25.txt

Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu
195 200 205

Pro His Gln Lys Lys Gln Thr Arg Ala Ser Val Val Ile Pro Val Thr
210 215 220

Gly Asp Ser Glu Gly Ala Thr Val Gln Leu Thr Pro Tyr Phe Pro Thr
225 230 235 240

Cys Gly Ser Asp Cys Ile Arg His Lys Gly Thr Val Val Leu Cys Pro
245 250 255

Gln Thr Gly Val Pro Phe Pro Leu Asp Asn Asn Lys Ser Lys Pro Gly
260 265 270

Gly Trp Leu Pro Leu Leu Leu Ser Leu Leu Val Ala Thr Trp Val
275 280 285

Leu Val Ala Gly Ile Tyr Leu Met Trp Arg His Glu Arg Ile Lys Lys
290 295 300

Thr Ser Phe Ser Thr Thr Thr Leu Leu Pro Pro Ile Lys Val Leu Val
305 310 315 320

Val Tyr Pro Ser Glu Ile Cys Phe His His Thr Ile Cys Tyr Phe Thr
325 330 335

Glu Phe Leu Gln Asn His Cys Arg Ser Glu Val Ile Leu Glu Lys Trp
340 345 350

Gln Lys Lys Ile Ala Glu Met Gly Pro Val Gln Trp Leu Ala Thr
355 360 365

Gln Lys Lys Ala Ala Asp Lys Val Val Phe Leu Leu Ser Asn Asp Val
370 375 380

Asn Ser Val Cys Asp Gly Thr Cys Gly Lys Ser Glu Gly Ser Pro Ser
385 390 395 400

Glu Asn Ser Gln Asp Leu Phe Pro Leu Ala Phe Asn Leu Phe Cys Ser
405 410 415

Asp Leu Arg Ser Gln Ile His Leu His Lys Tyr Val Val Val Tyr Phe
420 425 430

Arg Glu Ile Asp Thr Lys Asp Asp Tyr Asn Ala Leu Ser Val Cys Pro
435 440 445

Lys Tyr His Leu Met Lys Asp Ala Thr Ala Phe Cys Ala Glu Leu Leu
450 455 460

x15815.ST25.txt

His	Val	Lys	Gln	Gln	Val	Ser	Ala	Gly	Lys	Arg	Ser	Gln	Ala	Cys	His
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Asp Gly Cys Cys Ser Leu
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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<222> (1)..(531)
<223> LP392

<400> 4

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Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu
35 40 45

Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile
50 55 60

Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu
65 70 75 80

Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser
85 90 95

Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr
100 105 110

Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe Pro Val
115 120 125

Glu Leu Asn Thr Val Tyr Phe Ile Gly Ala His Asn Ile Pro Asn Ala
130 135 140

Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr Ser Pro
145 150 155 160

Gly Cys Leu Asp His Ile Met Lys Tyr Lys Lys Lys Cys Val Lys Ala
165 170 175

Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu
180 185 190

x15815.ST25.txt

Thr Val Glu Val Asn Phe Thr Thr Thr Pro Leu Gly Asn Arg Tyr Met
195 200 205

Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu
210 215 220

Pro His Gln Lys Lys Gln Thr Arg Ala Ser Val Val Ile Pro Val Thr
225 230 235 240

Gly Asp Ser Glu Gly Ala Thr Val Gln Gly Leu Ala Cys Pro Lys Ala
245 250 255

Leu Ala Glu Gly Ser Gln Glu Asp His Cys Cys Ser Phe Phe Leu Glu
260 265 270

Glu Met Phe Val Tyr Val Leu Thr Pro Tyr Phe Pro Thr Cys Gly Ser
275 280 285

Asp Cys Ile Arg His Lys Gly Thr Val Val Leu Cys Pro Gln Thr Gly
290 295 300

Val Pro Phe Pro Leu Asp Asn Asn Lys Ser Lys Pro Gly Gly Trp Leu
305 310 315 320

Pro Leu Leu Leu Ser Leu Leu Val Ala Thr Trp Val Leu Val Ala
325 330 335

Gly Ile Tyr Leu Met Trp Arg His Glu Arg Ile Lys Lys Thr Ser Phe
340 345 350

Ser Thr Thr Thr Leu Leu Pro Pro Ile Lys Val Leu Val Val Tyr Pro
355 360 365

Ser Glu Ile Cys Phe His His Thr Ile Cys Tyr Phe Thr Glu Phe Leu
370 375 380

Gln Asn His Cys Arg Ser Glu Val Ile Leu Glu Lys Trp Gln Lys Lys
385 390 395 400

Lys Ile Ala Glu Met Gly Pro Val Gln Trp Leu Ala Thr Gln Lys Lys
405 410 415

Ala Ala Asp Lys Val Val Phe Leu Leu Ser Asn Asp Val Asn Ser Val
420 425 430

Cys Asp Gly Thr Cys Gly Lys Ser Glu Gly Ser Pro Ser Glu Asn Ser
435 440 445

Gln Asp Leu Phe Pro Leu Ala Phe Asn Leu Phe Cys Ser Asp Leu Arg
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X15815.ST25.txt

Ser Gln Ile His Leu His Lys Tyr Val Val Val Tyr Phe Arg Glu Ile
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Asp Thr Lys Asp Asp Tyr Asn Ala Leu Ser Val Cys Pro Lys Tyr His
 485 490 495

Leu Met Lys Asp Ala Thr Ala Phe Cys Ala Glu Leu Leu His Val Lys
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Gln Gln Val Ser Ala Gly Lys Arg Ser Gln Ala Cys His Asp Gly Cys
 515 520 525

Cys Ser Leu
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 <213> Homo sapiens

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 <223> LP393

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ggactattca attttgcata atgtaaagctg ggtactccgg gcagatgcca gcatccgctt	240
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gaggtgcaat tacacagagg cttccagac tcagaccaga ccctctggtg gtaaatggac	360
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X15815.ST25.txt

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 <211> 371
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 <213> Homo sapiens

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 <222> (1)..(371)
 <223> LP393

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20	25		30	

Glu Trp Met Leu Gln His Asp	Leu Ile Pro Gly Asp	Leu Arg Asp Leu
35	40	45

Arg Val Glu Pro Val Thr	Thr Ser Val Ala Thr	Gly Asp Tyr Ser Ile
50	55	60

Leu Met Asn Val Ser	Trp Val Leu Arg Ala	Asp Ala Ser Ile Arg	Leu
65	70	75	80

Leu Lys Ala Thr Lys	Ile Cys Val Thr Gly	Lys Ser Asn Phe Gln Ser
85	90	95

Tyr Ser Cys Val Arg Cys Asn	Tyr Thr Glu Ala Phe Gln	Thr Gln Thr
100	105	110

Arg Pro Ser Gly	Gly Lys Trp Thr Phe Ser	Tyr Ile Gly Phe Pro Val
115	120	125

Glu Leu Asn Thr Val	Tyr Phe Ile Gly Ala His	Asn Ile Pro Asn Ala
130	135	140

Asn Met Asn Glu Asp	Gly Pro Ser Met Ser Val	Asn Phe Thr Ser Pro
145	150	155

X15815.ST25.txt

Gly Cys Leu Asp His Ile Met Lys Tyr Lys Lys Lys Cys Val Lys Ala
165 170 175

Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu
180 185 190

Thr Val Glu Val Asn Phe Thr Thr Pro Leu Gly Asn Arg Tyr Met
195 200 205

Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu
210 215 220

Pro His Gln Lys Lys Gln Thr Arg Ala Ser Val Val Ile Pro Val Thr
225 230 235 240

Gly Asp Ser Glu Gly Ala Thr Val Gln Leu Thr Pro Tyr Phe Pro Thr
245 250 255

Cys Gly Ser Asp Cys Ile Arg His Lys Gly Thr Val Val Leu Cys Pro
260 265 270

Gln Thr Gly Val Pro Phe Pro Leu Asp Asn Asn Lys Ser Lys Pro Gly
275 280 285

Gly Trp Leu Pro Leu Leu Leu Leu Ser Leu Leu Val Ala Thr Trp Val
290 295 300

Leu Val Ala Gly Ile Tyr Leu Met Trp Arg His Gly Ser Arg Arg Leu
305 310 315 320

Pro Phe Leu Pro Pro His Tyr Cys Pro Pro Leu Arg Phe Leu Trp Phe
325 330 335

Thr His Leu Lys Tyr Val Ser Ile Thr Gln Phe Val Thr Ser Leu Asn
340 345 350

Phe Phe Lys Thr Ile Ala Glu Val Arg Ser Ser Leu Lys Ser Gly Arg
355 360 365

Lys Arg Lys
370

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<211> 1394
<212> DNA
<213> Homo sapiens

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<223> LP394

X15815.ST25.txt

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 aatcccgga gacttgaggg acctccgagt agaacctgtt acaactagtg ttgcaacagg 180
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 <213> Homo sapiens

<220>
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 <222> (1)..(328)
 <223> LP394

<400> 8

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x15815.ST25.txt
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Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu
35 40 45

Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile
50 55 60

Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu
65 70 75 80

Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser
85 90 95

Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr
100 105 110

Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe Pro Val
115 120 125

Glu Leu Asn Thr Val Tyr Phe Ile Gly Ala His Asn Ile Pro Asn Ala
130 135 140

Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr Ser Pro
145 150 155 160

Gly Cys Leu Asp His Ile Met Lys Tyr Lys Lys Cys Val Lys Ala
165 170 175

Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu
180 185 190

Thr Val Glu Val Asn Phe Thr Thr Pro Leu Gly Asn Arg Tyr Met
195 200 205

Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu
210 215 220

Pro His Gln Lys Lys Gln Thr Arg Ala Ser Val Val Ile Pro Val Thr
225 230 235 240

Gly Asp Ser Glu Gly Ala Thr Val Gln Leu Thr Pro Tyr Phe Pro Thr
245 250 255

Cys Gly Ser Asp Cys Ile Arg His Lys Gly Thr Val Val Leu Cys Pro
260 265 270

Gln Thr Gly Val Pro Phe Pro Leu Asp Asn Asn Lys Ser Lys Pro Gly
275 280 285

x15815.ST25.txt

Gly Trp Leu Pro Leu Leu Leu Leu Ser Leu Leu Val Ala Thr Trp Val
 290 295 300

Leu Val Ala Gly Ile Tyr Leu Met Trp Arg His Glu Val Arg Ser Ser
 305 310 315 320

Leu Lys Ser Gly Arg Lys Arg Lys
 325

<210> 9
 <211> 1346
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> LP395

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gaggtgcaat tacacagagg cttccagac tcagaccaga ccctctggtg gtaaatggac	360
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tattccta at gcaaataatga atgaagatgg cccttccatg tctgtgaatt tcacccacc	480
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agtgaggtca tccttgaaaa gtggcagaaa aagaaaatag cagagatggg tccagtgca	960
tggcttgcca ctcaaaagaa ggcagcagac aaagtcgtct tccttcttc caatgacgtc	1020
aacagtgtgt gcatggtac ctgtggcaag agcgaggcgtca gtcggcgtca gactctcaa	1080
gacctttcc cccttgccct taacctttc tgcagtgtac taagaagcca gattcatctg	1140
cacaaatacg tggtggtcta ctttagagag attgatacaa aagacgatta caatgctctc	1200
agtgtctgcc ccaagtacca cctcatgaag gatgccactg ctttctgtgc agaacttctc	1260
catgtcaagc agcagggtgc agcaggaaaa agatcacaag cctgccacga tggctgctgc	1320

X15815.ST25.txt

1346

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<210> 10
<211> 312
<212> PRT
<213> Homo sapiens

<220>
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<222> (1)..(312)
<223> LP395

<400> 10

Met Ser Leu Val Leu Leu Ser Leu Ala Ala Leu Cys Arg Ser Ala Val
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Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Gly Pro Ser Pro
20 25 30

Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu
35 40 45

Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile
50 55 60

Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu
65 70 75 80

Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser
85 90 95

Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr
100 105 110

Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe Pro Val
115 120 125

Glu Leu Asn Thr Val Tyr Phe Ile Gly Ala His Asn Ile Pro Asn Ala
130 135 140

Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr Ser Pro
145 150 155 160

Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu
165 170 175

Thr Val Glu Val Asn Phe Thr Thr Pro Leu Gly Asn Arg Tyr Met
180 185 190

Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu
195 200 205

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Pro His Gln Lys Lys Gln Thr Arg Ala Ser Val Val Ile Pro Val Thr
 210 215 220

Gly Asp Ser Glu Gly Ala Thr Val Gln Leu Thr Pro Tyr Phe Pro Thr
 225 230 235 240

Cys Gly Ser Asp Cys Ile Arg His Lys Gly Thr Val Val Leu Cys Pro
 245 250 255

Gln Thr Gly Val Pro Phe Pro Leu Asp Asn Asn Lys Ser Lys Pro Gly
 260 265 270

Gly Trp Leu Pro Leu Leu Leu Ser Leu Leu Val Ala Thr Trp Val
 275 280 285

Leu Val Ala Gly Ile Tyr Leu Met Trp Arg His Glu Val Arg Ser Ser
 290 295 300

Leu Lys Ser Gly Arg Lys Arg Lys
 305 310

<210> 11
 <211> 1567
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1567)
 <223> LP396

<400> 11	60
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aatccccgga gacttgaggg acctccgagt agaacctgtt acaactagtg ttgcaacagg	180
ggactattca attttgcata atgtaagctg ggtactccgg gcagatgcca gcatccgctt	240
gttgaaggcc accaagatgtt gtgtgacggg caaaagcaac ttccagtcct acagctgtgt	300
gaggtgcaat tacacagagg cttccagac tcagaccaga ccctctggtg gtaaatggac	360
atttcctac atcggcttcc ctgtagagct gaacacagtc tatttcattt gggccataaa	420
tattcctaatt gcaaataatga atgaagatgg cccttccatg tctgtgaatt tcacccacc	480
aggctgccta gaccacataa tgaaatataa aaaaaagtgt gtcaggccg gaagcctgtg	540
ggatccgaac atcactgctt gtaagaagaa tgaggagaca gtagaagtga acttcacaac	600
cactccccctg ggaaacagat acatggctct tatccaacac agcactatca tcgggttttc	660
tcaggtgttt gagccacacc agaagaaaca aacgcgagct tcagtggtga ttccagtgac	720
tggggatagt gaaggtgcta cggtgcatat gtgtgaccaa ggggaaaatg tgcacatgacaa	780
cactagagct gactccatat ttccctactt gtggcagcga ctgcacatccga cataaaaggaa	840

X15815.ST25.txt

cagttgtgct	ctgcccacaa	acaggcgtcc	ctttccctct	ggataacaac	aaaagcaagc	900
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cagggatcta	tctaattgtgg	aggcacgaaa	ggatcaagaa	gacttccctt	tctaccacca	1020
caactactgcc	ccccattaag	gttcttgtgg	tttacccatc	tgaaatatgt	ttccatcaca	1080
caatttgtta	tttcactgaa	tttcttcaaa	accattgcag	aagtgaggtc	atccttgaaa	1140
agtggcagaa	aaagaaaaata	gcagagatgg	gtccagtgca	gtggcttgcc	actcaaaaga	1200
aggcagcaga	caaagtgcgc	ttccttcttt	ccaatgacgt	caacagtgtg	tgcgatggta	1260
cctgtggcaa	gagcgagggc	agtcccagtg	agaactctca	agacctcttc	ccccttgcc	1320
ttaacctttt	ctgcagtgtat	ctaagaagcc	agattcatct	gcacaaatac	gtgggtgtct	1380
acttagaga	gattgataca	aaagacgatt	acaatgtct	cagtgtctgc	cccaagtacc	1440
acctcatgaa	ggatgccact	gcttctgtg	cagaacttct	ccatgtcaag	cagcaggtgt	1500
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agaagca						1567

<210> 12
 <211> 277
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (1)..(277)
 <223> LP396

<400> 12

Met Ser Leu Val Leu Leu Ser Leu Ala Ala Leu Cys Arg Ser Ala Val
 1 5 10 15

Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Gly Pro Ser Pro
 20 25 30

Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu
 35 40 45

Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile
 50 55 60

Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu
 65 70 75 80

Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser
 85 90 95

Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr
 100 105 110

x15815.ST25.txt

Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe Pro Val
 115 120 125

Glu Leu Asn Thr Val Tyr Phe Ile Gly Ala His Asn Ile Pro Asn Ala
 130 135 140

Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr Ser Pro
 145 150 155 160

Gly Cys Leu Asp His Ile Met Lys Tyr Lys Lys Cys Val Lys Ala
 165 170 175

Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu
 180 185 190

Thr Val Glu Val Asn Phe Thr Thr Thr Pro Leu Gly Asn Arg Tyr Met
 195 200 205

Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu
 210 215 220

Pro His Gln Lys Lys Gln Thr Arg Ala Ser Val Val Ile Pro Val Thr
 225 230 235 240

Gly Asp Ser Glu Gly Ala Thr Val Gln Met Cys Asp Gln Gly Glu Asn
 245 250 255

Val His Asp Asn Thr Arg Ala Asp Ser Ile Phe Ser Tyr Leu Trp Gln
 260 265 270

Arg Leu His Pro Thr
 275

<210> 13
 <211> 1352
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1352)
 <223> LP397

<400> 13
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 aatcccggga gacttgaggg acctccgagt agaacctgtt acaactagtg ttgcaacagg 120
 ggacttattca attttgcgtt atgttgcgtt ggtactccgg gcagatgcca gcatccgctt
 gttgaaggcc accaagattt gtgtgacggg caaaagcaac ttccagtctt acagctgtgt 180
 gaggtgcaat tacacagagg ccttccagac tcagaccaga ccctctggtg gttaatggac 240
 300
 360

x15815.ST25.txt

atttcctac atcggcttcc	ctgttagagct	gaacacagtc	tatttcattg	gggcccataa	420	
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aggctgccta	gaccacataa	tgaaatataa	aaaaaaagtgt	gtcaaggccg	gaagcctgtg	540
ggatccgaac	atcaactgctt	gtaagaagaa	tgaggagaca	gtagaagtga	acttcacaac	600
cactcccctg	ggaaacagat	acatggctct	tatccaacac	agcaactatca	tcgggttttc	660
tcaggtgttt	gagacaaaag	caagccggga	ggctggctgc	ctctcctcct	gctgtctctg	720
ctggtgccca	catgggtgct	ggtggcaggg	atctatctaa	tgtggaggca	cgaaaggatc	780
aagaagactt	cctttctac	caccacacta	ctgccccca	ttaaggttct	tgtggtttac	840
ccatctgaaa	tatgtttcca	tcacacaatt	tgttacttca	ctgaatttct	tcaaaaccat	900
tgcagaagtg	aggtcatcct	tgaaaagtgg	cagaaaaaga	aaatagcaga	gatgggtcca	960
gtgcagtggc	ttgccactca	aaagaaggca	gcagacaaag	tcgtcttcct	tctttccat	1020
gacgtcaaca	gtgtgtcga	tggtacctgt	ggcagagagcg	aggcagtcc	cagtgagaac	1080
tctcaagacc	tcttccccct	tgccttaac	ctttctgca	gtgatctaag	aagccagatt	1140
catctgcaca	aatacgtggt	ggtctacttt	agagagattt	atacaaaaga	cgattacaat	1200
gctctcagtg	tctgccccaa	gtaccacctc	atgaaggatg	ccactgcttt	ctgtgcagaa	1260
cttctccatg	tcaagcagca	ggtgtcagca	ggaaaaagat	cacaaggctg	ccacgatggc	1320
tgctgctcct	tgtagcccac	ccatgagaag	ca			1352

<210> 14
<211> 252
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (1)..(252)
<223> LP397

<400> 14

Met Ser Leu Val Leu Leu Ser Leu Ala Ala Leu Cys Arg Ser Ala Val
1 5 10 15

Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Gly Pro Ser Pro
20 25 30

Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu
35 40 45

Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile
50 55 60

Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu
65 70 75 80

X15815.ST25.txt

Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser
 85 90 95

Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr
 100 105 110

Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe Pro Val
 115 120 125

Glu Leu Asn Thr Val Tyr Phe Ile Gly Ala His Asn Ile Pro Asn Ala
 130 135 140

Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr Ser Pro
 145 150 155 160

Gly Cys Leu Asp His Ile Met Lys Tyr Lys Lys Lys Cys Val Lys Ala
 165 170 175

Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu
 180 185 190

Thr Val Glu Val Asn Phe Thr Thr Pro Leu Gly Asn Arg Tyr Met
 195 200 205

Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu
 210 215 220

Thr Lys Ala Ser Arg Glu Ala Gly Cys Leu Ser Ser Cys Cys Leu Cys
 225 230 235 240

Trp Trp Pro His Gly Cys Trp Trp Gln Gly Ser Ile
 245 250

<210> 15
 <211> 1399
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1399)
 <223> LP398

<400> 15
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 aatcccggga gacttgaggg acctccgagt agaacctgtt acaacttagtgg ttgcaacagg 120
 ggactattca attttgcgtt atgttgcgtt ggtactccgg gcagatgtgg acatttcct
 acatcggttt ccctgttagag ctgaacacag tctatttcat tggggcccat aatattccta 180
 atgcaaataat gaatgaagat ggcccttcca tgtctgtgaa tttcacctca ccaggctgcc 240
 300
 360

X15815.ST25.txt

tagaccacat	aatgaaatat	aaaaaaaaagt	gtgtcaaggc	cggaaggcctg	tgggatccga	420
acatcaactgc	ttgtagaagaag	aatgaggaga	cagttagt	gaacttcaca	accactcccc	480
tgggaaacag	atacatggct	tttatccaac	acagcactat	catcgggttt	tctcaggtgt	540
ttgagccaca	ccagaagaaa	caaacgcgag	cttcagtgg	gattccagtg	actggggata	600
gtgaaggtgc	tacggtgca	ctgactccat	atttccat	tttgtggcagc	gactgcattc	660
gacataaagg	aacagttgt	ctctgcccac	aaacaggcgt	cccttcctc	ctggataaca	720
acaaaagcaa	gccgggaggc	tggctgcctc	tcctcctgct	gtctctgctg	gtggccacat	780
gggtgctgg	ggcagggatc	tatctaattgt	ggaggcacga	aaggatcaag	aagacttcct	840
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gtttccatca	cacaatttgt	tacttcactg	aatttcttca	aaaccattgc	agaagtgagg	960
tcatccttga	aaagtggcag	aaaaagaaaa	tagcagagat	gggtccagtg	cagtggcttg	1020
ccactcaaaa	gaaggcagca	gacaaagtgc	tcttccttct	ttccaatgac	gtcaacagtg	1080
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acgtggtggt	ctactttaga	gagattgata	caaaaagacga	ttacaatgct	ctcagtgtct	1260
gcccccaagta	ccacctcatg	aaggatgcca	ctgcttc	tgcagaactt	ctccatgtca	1320
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agcccaccca	tgagaagca					1399

<210> 16
 <211> 96
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (1)..(96)
 <223> LP398

<400> 16

Met Ser Leu Val Leu Leu Ser Leu Ala Ala Leu Cys Arg Ser Ala Val
 1 5 10 15

Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Gly Pro Ser Pro
 20 25 30

Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu
 35 40 45

Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile
 50 55 60

Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Val Asp Ile Phe Leu
 65 70 75 80

x15815.ST25.txt

His Arg Leu Pro Cys Arg Ala Glu His Ser Leu Phe His Trp Gly Pro
 85 90 95

<210> 17
 <211> 1081
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1081)
 <223> LP399

<400> 17
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 aatccccgga gacttgaggg acctccgagt agaacctgtt acaactagtg ttgcaacagg 180
 ggactattca attttgcata atgtaagctg ggtactccgg gcagatgcca caccagaaga 240
 aacaaacgca agcttcagtg gtgattccag tgactggggta tagtgaaggt gctacgggtc 300
 agctgactcc atatttcct acttgtggca gcgactgcat ccgacataaa ggaacagttg 360
 tgctctgccc acaaacaggc gtccctttcc ctctggataa caacaaaagc aagccgggag 420
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 gttacttcac tgaatttctt caaaaccatt gcagaagtga ggtcatcctt gaaaagtggc 660
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 cagacaaagt cgtcttcctt cttccaatg acgtcaacag tgtgtgcgat ggtacctgtg 780
 gcaagagcga gggcagtccc agtgagaact ctcaagacct cttccccctt gcctttaacc 840
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 gagagattga tacaaaagac gattacaatg ctctcagtg ctgccccaaag taccacctca 960
 tgaaggatgc cactgcttc tgtgcagaac ttctccatgt caagcagcag gtgtcagcag 1020
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 a 1081

<210> 18
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (1)..(93)
 <223> LP399

X15815.ST25.txt

<400> 18

Met Ser Leu Val Leu Leu Ser Leu Ala Ala Leu Cys Arg Ser Ala Val
 1 5 10 15

Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Gly Pro Ser Pro
 20 25 30

Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu
 35 40 45

Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile
 50 55 60

Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Thr Pro Glu Glu
 65 70 75 80

Thr Asn Ala Ser Phe Ser Gly Asp Ser Ser Asp Trp Gly
 85 90

<210> 19

<211> 940

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(940)

<223> LP417

<400> 19

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tgattccagt	gactggggat	agtgaaggtg	ctacggtgca	gctgactcca	tatttccta	180
cttggcag	cgactgcac	cgacataaag	gaacagttgt	gctctgccc	caaacaggcg	240
tcccttccc	tctggataac	aacaaaagca	agccgggagg	ctggctgcct	ctcctcctgc	300
tgtctctgct	ggtggccaca	tgggtgctgg	tggcagggat	ctatctaatg	tggaggcacg	360
aaaggatcaa	gaagacttcc	ttttctacca	ccacactact	gcccccatt	aagttcttg	420
tggtttaccc	atctgaaata	tgttccatc	acacaatttg	ttacttca	gaatttcttc	480
aaaaccattg	cagaagttag	gtcatcctt	aaaagtggca	aaaaaagaaaa	atagcagaga	540
tgggtccagt	gcagtggctt	gccactaaa	agaaggcagc	agacaaagtc	gtcttccttc	600
tttccaatga	cgtcaacagt	gtgtgcgt	gtacctgtgg	caagagcag	ggcagtccca	660
gtgagaactc	tcaagacactc	ttccccctt	ccttaacct	tttctgcagt	gatctaagaa	720
gccagattca	tctgcacaaa	tacgtggtgg	tctactttag	agagattgat	acaaaagacg	780
attacaatgc	tctcagtgtc	tgccccaa	accacccat	gaaggatgcc	actgtttct	840
gtgcagaact	tctccatgtc	aagcagcagg	tgtcagcagg	aaaaagatca	caagcctgcc	900

X15815.ST25.txt

acgatggctg ctgctccttg tagcccaccc atgagaagca 940

<210> 20
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (1)..(46)
 <223> LP417

<400> 20

Met Ser Leu Val Leu Leu Ser Leu Ala Ala Leu Cys Arg Ser Ala Val
 1 5 10 15

Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Ala Thr Pro Glu
 20 25 30

Glu Thr Asn Ala Ser Phe Ser Gly Asp Ser Ser Asp Trp Gly
 35 40 45

<210> 21
 <211> 1352
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1352)
 <223> LP418

<400> 21
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 aatcccgaaa gacttgaggg acctccgagt agaacctgtt acaaacttagt ttgcaacagg 180
 ggactattca attttgatga atgtaagctg ggtactccgg gcagatgcca gcatccgctt 240
 gttgaaggcc accaagattt gtgtgacggg caaaagcaac ttccagtcct acagctgtgt 300
 gaggtgcaat tacacagagg cttccagac tcagaccaga ccctctggtg gtaaagaagc 360
 ctgtggatc cgaacatcac tgcttgtaa aagaatgagg agacagtaga agtgaacttc 420
 acaaccactc ccctggaaa cagatacatg gctttatcc aacacagcac tatcatcggt 480
 ttttctcagg ttttgagcc acaccagaag aaacaaacgc gagttcagt ggtgattcca 540
 gtgactgggg atagtgaagg tgctacggtg cagctgactc catatttcc tacttgtggc 600
 agcactgca tccgacataa aggaacagtt gtgctctgcc cacaaacagg cgtcccttcc 660
 cctctggata acaacaaaag caagccggaa ggctggctgc ctctcctcct gctgtctctg 720
 ctggtgccca catgggtgct ggtggcaggg atctatctaa tgtggaggca cgaaaggatc 780
 aagaagactt cttttctac caccacacta ctgcccccca ttaaggttct tgtggttac 840

x15815.ST25.txt

ccatctgaaa tatgtttcca tcacacaatt	tgttacttca ctgaatttct tcaaaccat	900
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tctcaagacc tcttccccct tgccttaac ctttctgca gtgatctaag aagccagatt		1140
catctgcaca aatacgtggt ggtctacttt agagagattg atacaaaaga cgattacaat		1200
gctctcagtg tctgccccaa gtaccacctc atgaaggatg ccactgcttt ctgtgcagaa		1260
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tgctgctcct ttagcccac ccatgagaag ca		1352

<210> 22
 <211> 135
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (1) .. (135)
 <223> LP418

<400> 22

Met Ser Leu Val Leu Leu Ser Leu Ala Ala Leu Cys Arg Ser Ala Val
 1 5 10 15

Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Gly Pro Ser Pro
 20 25 30

Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu
 35 40 45

Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile
 50 55 60

Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu
 65 70 75 80

Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser
 85 90 95

Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr
 100 105 110

Arg Pro Ser Gly Gly Lys Glu Ala Cys Gly Ile Arg Thr Ser Leu Leu
 115 120 125

Val Arg Arg Met Arg Arg Gln
 130 135

x15815.ST25.txt

<210> 23
 <211> 1210
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1210)
 <223> LP419

<400> 23
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Pro